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The following sample exam for Advanced Ground Instructor (AGI) is suitable study material for all the Ground Instructor rating tests. Although these questions are airplane based they represent the same type of questions that can be found on all Flight Instructor tests. The applicant must realize that these questions are to be used as a study guide, and are not necessarily actual test questions. The full AGI test contains 100 questions. The Application Identification, Information Verification and Authorization Requirements Matrix lists all FAA exams. It is available at [http://www.faa.gov/training\\_testing/testing/media/testing\\_matrix.pdf](http://www.faa.gov/training_testing/testing/media/testing_matrix.pdf).

The FAA testing system is supported by a series of supplement publications. These publications include the graphics, legends, and maps that are needed to successfully respond to certain test questions. FAA-CT-8080-5, Computer Testing Supplement for Flight and Ground Instructors is available at [http://www.faa.gov/training\\_testing/testing/test\\_questions/media/FAA-CT-8080-5F.pdf](http://www.faa.gov/training_testing/testing/test_questions/media/FAA-CT-8080-5F.pdf).

The Learning Statement Reference Guide for Airman Knowledge Testing contains listings of learning statements with their associated codes. Matching the learning statement codes with the codes listed on your Airman Knowledge Test Report assists in the evaluation of knowledge areas missed on your exam. It is available at [http://www.faa.gov/training\\_testing/testing/media/LearningStatementReferenceGuide.pdf](http://www.faa.gov/training_testing/testing/media/LearningStatementReferenceGuide.pdf).

**Sample AGI Exam:**

1 . PLT125

During flight, advancing thrust will

- A) increase airspeed.
- B) cause the aircraft to climb.
- C) cause the aircraft to increase airspeed and climb.

2 . PLT018

(Refer to FAA-CT-8080-5G, Figure 18.) What is the stall speed of an airplane under a load factor of 2 if the unaccelerated stall speed is 100 knots?

- A) 115 knots.
- B) 129 knots.
- C) 140 knots.

3 . PLT253

What effect, if any, does ambient temperature have on propane tank pressure?

- A) It has no effect.
- B) As temperature decreases, propane tank pressure decreases.
- C) As temperature decreases, propane tank pressure increases.

4 . PLT470

Rotor torque is a concern in gyroplanes only during

- A) prerotation or clutch engagement.
- B) maneuvers requiring high rotor rpm.
- C) maximum performance climbs and go-arounds requiring higher engine rpm.

5 . PLT168

The angle of attack of a wing directly controls the

- A) angle of incidence of the wing.
- B) amount of airflow above and below the wing.
- C) distribution of positive and negative pressure acting on the wing.

6 . PLT470

Rotor blade flapping action is

- A) an undesirable reaction to changes in airspeed and blade angle of attack.
- B) an aerodynamic reaction to high speed flight and cannot be controlled by the pilot.
- C) a design feature permitting continual changes in the rotor blade angle of attack, compensating for dissymmetry of lift.

7 . PLT470

The forward speed of a rotorcraft is restricted primarily by

- A) dissymmetry of lift.
- B) transverse flow effect.
- C) high-frequency vibrations.

8 . PLT095

Aileron deflection moves the airplane about its

- A) lateral axis.
- B) longitudinal axis.
- C) vertical axis.

9 . PLT095

Action of the elevators moves the plane on its

- A) lateral axis.
- B) longitudinal axis.
- C) vertical axis.

10 . PLT238

At a constant velocity in airflow, a high aspect ratio wing will have (in comparison with a low aspect ratio wing)

- A) increased drag, especially at a low angle of attack.
- B) decreased drag, especially at a high angle of attack.
- C) increased drag, especially at a high angle of attack.

11 . PLT238

(Refer to FAA-CT-8080-5G, Figure 21.) Of aircraft 1, 2 , or 3, which has the lowest aspect ratio?

- A) 1.
- B) 2.
- C) 3.

12 . PLT237

Maximum gliding distance of an aircraft is obtained when

- A) parasite drag is the least.
- B) induced drag and parasite drag are equal.
- C) induced drag equals the coefficient of lift.

13 . PLT245

What is the effect of center of gravity on the spin characteristics of a fixed-wing aircraft? If the CG is too far

- A) aft, a flat spin may develop.
- B) forward, spin entry will be difficult.
- C) aft, spins can become high-speed spirals.

14 . PLT018

(Refer to FAA-CT-8080-5G, Figure 18.) What is the stall speed of an airplane in a 30 degree bank turn if the level stall speed is 100 knots?

- A) 100 knots.
- B) 102 knots.
- C) 108 knots.

15 . PLT006

(Refer to FAA-CT-8080-5G, Figure 29.) What is the approximate glide distance?

Height above terrain = 5,500 ft

Tailwind = 10 kts

- A) 11 miles.
- B) 12 miles.
- C) 13 miles.

16 . PLT013

(Refer to FAA-CT-8080-5G, Figure 30.) Using a maximum demonstrated crosswind component equal to 0.2 VSO, what is a pilot able to determine?

VSO = 60 kts

Landing Rwy = 12

Wind = 150° at 20 kts

- A) Headwind component exceeds recommended limits.
- B) Crosswind component is within safe limits.
- C) Maximum demonstrated crosswind component is exceeded.

17 . PLT008

(Refer to FAA-CT-8080-5G, Figure 31.) What is the total landing distance over a 50-foot obstacle?

Temperature = 15 °C

Pressure altitude = 4,000 ft

Weight = 3,000 lb

Headwind = 22kts

- A) 1,250 feet.
- B) 1,150 feet.
- C) 1,050 feet.

18 . PLT127

What can a pilot expect when landing at an airport located in the mountains?

- A) Higher true airspeed and longer landing distance.
- B) Higher indicated airspeed and shorter landing distance.
- C) Lower true airspeed and longer landing distance.

19 . PLT132

In a twin-engine airplane, the single-engine service ceiling is the maximum density altitude at which VYSE will produce

- A) 50 feet per minute rate of climb.
- B) 100 feet per minute rate of climb.
- C) 500 feet per minute rate of climb.

20 . PLT127

What effect does high density altitude have on aircraft performance?

- A) It increases engine performance.
- B) It reduces climb performance.
- C) It increases takeoff performance.

21 . PLT123

How does temperature and weight affect the  $V_{NE}$  of a helicopter?

- A)  $V_{NE}$  increases as temperature and weight increase.
- B)  $V_{NE}$  decreases as temperature and weight increase.
- C)  $V_{NE}$  decreases as temperature increases and weight decreases.

22 . PLT124

Performance of a helicopter can be determined by

- A) knowing the density altitude, gross weight, and surface wind.
- B) the formula  $\pi$  times the rotor diameter divided by the blade area.
- C) the highest altitude that can be maintained in a hover following liftoff.

23 . PLT074

(Refer to FAA-CT-8080-5G, Figure 17.) The airspeed indicated by point A is

- A) maneuvering speed.
- B) normal stall speed.
- C) maximum structural cruising speed.

24 . PLT215

What should be the indication on the magnetic compass as you roll into a standard rate turn to the right from a south heading in the Northern Hemisphere?

- A) The compass will initially indicate a turn to the left.
- B) The compass will indicate a turn to the right, but at a faster rate than is actually occurring.
- C) The compass will remain on south for a short time, then gradually catch up to the magnetic heading of the airplane.

25 . PLT023

What is true altitude?

- A) The vertical distance of the aircraft above sea level.
- B) The vertical distance of the aircraft above the surface.
- C) The height above the standard datum plane.

26 . PLT023

What is pressure altitude?

- A) The indicated altitude corrected for position and installation error.
- B) The altitude indicated when the barometric pressure scale is set to 29.92.
- C) The indicated altitude corrected for nonstandard temperature and pressure.

27 . PLT253

The purpose of the heat exchange coil as used in hot air balloons is to

- A) prevent ice from forming in the fuel lines.
- B) warm the fuel tanks for more efficient fuel flow.
- C) vaporize the fuel for more efficient burner operation.

28 . PLT253

A standby source of fuel to an engine in a powered parachute is typically

- A) from an electrically powered pump.
- B) through gravity feed.
- C) from a pressurized fuel tank.

29 . PLT190

Carburetor ice

- A) occurs mostly as a function of temperature.
- B) can only form when the outside air temperature is near freezing with high relative humidity.
- C) is more likely to form when outside air temperatures are below 70 degrees F and relative humidity is above 80 %.

30 . PLT253

To properly purge water from the fuel system of an aircraft equipped with fuel tank sumps and a fuel strainer quick drain, it is necessary to drain fuel from the

- A) fuel strainer drain.
- B) lowest point in the fuel system.
- C) fuel strainer drain and the fuel tank sumps.

31 . PLT336

Which instrument provides the most pertinent information (primary) for pitch control in straight-and-level flight?

- A) Vertical speed indicator.
- B) Attitude indicator.
- C) Altimeter.

32 . PLT478

If the ground wire between the magneto and the ignition switch becomes disconnected, the most noticeable result will be that the engine

- A) will run very rough.
- B) cannot be started with the switch in the ON position.
- C) cannot be shut down by turning the switch to the OFF position.

33 . PLT253

When the pilot leans the mixture control, what is being accomplished?

- A) The volume of air entering the carburetor is being reduced.
- B) The volume of air entering the carburetor is being increased.
- C) The amount of fuel entering the combustion chamber is being reduced.

34 . PLT278

High EGT on a 2-cycle engine could be caused by

- A) high oil temperature and low oil pressure.
- B) pre-ignition, detonation or an air intake leak.
- C) improper engine operation.

35 . PLT249

The pilot controls the air/fuel ratio with the

- A) throttle.
- B) manifold pressure.
- C) mixture control.

36 . PLT478

Fouling of spark plugs is more apt to occur if the aircraft

- A) gains altitude with no mixture adjustment.
- B) descends from altitude with no mixture adjustment.
- C) throttle is advanced very abruptly.

37 . PLT251

Adding more oil to the fuel than specified by the manufacturer of a 2-cycle engine will result in

- A) increased engine performance.
- B) increased carbon buildup and engine fouling.
- C) increased engine lubrication and optimal performance.

38 . PLT343

Air cooled engines dissipate heat

- A) through cooling fins on the cylinder and head.
- B) by air flowing through the radiator fins.
- C) through the cylinder head temperature probe.

39 . PLT115

Detonation occurs in a reciprocating aircraft engine when

- A) the spark plugs are fouled or shorted out or the wiring is defective.
- B) hot spots in the combustion chamber ignite the fuel/air mixture in advance of normal ignition.
- C) the unburned charge in the cylinders explodes instead of burning normally.

40 . PLT479

What should be the first action after starting an aircraft engine?

- A) Adjust for proper RPM and check for desired indications on the engine gauges.
- B) Place the magneto or ignition switch momentarily in the OFF position to check for proper grounding.
- C) Test each brake and the parking brake.

41 . PLT324

An abnormally high engine oil temperature indication may be caused by

- A) the oil quantity being too low.
- B) operating with a too high viscosity oil.
- C) operating with an excessively rich mixture.

42 . PLT351

The reason for variations in geometric pitch (twisting) along a propeller blade is that it

- A) prevents the portion of the blade near the hub to stall during cruising flight.
- B) permits a relatively constant angle of attack along its length when in cruising flight.
- C) permits a relatively constant angle of incidence along its length when in cruising flight.

43 . PLT347

On a multiengine airplane, where the propellers rotate in the same direction, why is the loss of power on one engine more critical than the loss of power on the other engine?

- A) The corkscrew pattern of airflow from one propeller is less effective against the airflow from the critical engine.
- B) The torque reaction from operation of the critical engine is more severe around the vertical axis as well as the longitudinal axis.
- C) The asymmetric propeller thrust or P-factor results in the center of thrust from one engine being farther from the airplane centerline than the center of thrust from the other engine.

44 . PLT253

During preflight, the fuel vent system should always be checked

- A) to ensure the vent is closed.
- B) to ensure the vent is open.
- C) to ensure the vent system pressure is in the green range.

45 . PLT141

A series of continuous red lights in the runway centerline lighting indicates

- A) 1,000 feet of runway remaining.
- B) 3,000 feet of runway remaining
- C) the beginning of the runway overrun area.

46 . PLT147

The visual glidepath of a 2-bar VASI provides safe obstruction clearance within plus or minus 10° of the extended runway centerline and to a distance of how many miles from the runway threshold?

- A) 4 NM.
- B) 6 NM.
- C) 10 NM.

47 . PLT141

A military airfield can be identified by

- A) a white and red rotating beacon.
- B) white flashing sequence lights (strobes).
- C) a green and dual-peaked white rotating beacon.

48 . PLT141

What is the purpose for the runway hold position markings on the taxiway?

- A) Identifies area where aircraft are prohibited.
- B) Holds aircraft short of the runway.
- C) Allows an aircraft permission onto the runway.

49 . PLT141

What does a destination sign identify?

- A) Entrance to the runway from a taxiway.
- B) Direction to takeoff runways.
- C) Runway on which an aircraft is located.



50 . PLT141

The 'ILS critical area boundary sign' identifies

- A) the exit boundary for the runway protected area.
- B) the edge of the ILS critical area.
- C) the area where an aircraft is prohibited from entering.

51 . PLT373

When density altitude is beyond capability as indicated on the performance chart,

- A) interpolate the data and attempt takeoff.
- B) extrapolate the data and attempt takeoff.
- C) do not attempt takeoff until conditions permit calculations to provide the data to determine a safe takeoff and climb out.

52 . PLT112

To taxi on the surface in a safe efficient manner, one should use the cyclic pitch to

- A) control taxi speed.
- B) maintain heading during crosswind conditions.
- C) correct for drift during crosswind conditions.

53 . PLT161

Normally, the vertical limits of Class D airspace extend up to and including how many feet above the surface?

- A) 2,500 feet.
- B) 3,000 feet.
- C) 4,000 feet.

54 . PLT040

(Refer to FAA-CT-8080-5G, Figure 47.) Class C airspace usually extends up to

- A) 3,000 feet MSL.
- B) 3,000 feet above airport.
- C) 4,000 feet above airport.

55 . PLT064

(Refer to FAA-CT-8080-5G, Figure 45.) The controlled airspace located at the Corpus Christi VORTAC (area 5) begins at

- A) the surface.
- B) 700 feet AGL.
- C) 1,200 feet MSL.

56 . PLT064

(Refer to FAA-CT-8080-5G, Figure 46.) What is the height of the Class D airspace over Livermore Airport (area 5)?

- A) 2,900 feet MSL.
- B) 3,000 feet AGL.
- C) Base of the overlying Class B airspace.

57 . PLT376

Public figures are protected by

- A) special use airspace.
- B) prohibited areas.
- C) temporary flight restriction.

58 . PLT393

Flight through a restricted area should not be accomplished unless the pilot has

- A) filed an IFR flight plan.
- B) received prior authorization from the controlling agency.
- C) received prior permission from the commanding officer of the nearest military base.

59 . PLT161

What minimum avionics equipment is required for operation within Class C airspace?

- A) Two-way communications.
- B) Two-way communications and transponder with automatic altitude reporting capability.
- C) Two-way communications, transponder with automatic altitude reporting capability, and VOR.

60 . PLT195

Most midair collision accidents occur during

- A) hazy days within the traffic pattern environment.
- B) clear days in the vicinity of navigational aids.
- C) night conditions during simulated instrument flight.

61 . PLT194

The most effective technique to use for detecting other aircraft at night is to

- A) turn the head and sweep the eyes rapidly over the entire visible region.
- B) avoid staring directly at the point where another aircraft is suspected to be flying.
- C) avoid scanning the region below the horizon so as to avoid the effect of ground lights on the eyes.

62 . PLT112

To properly compensate for a crosswind during straight-and-level cruising flight, the pilot should

- A) hold rudder pressure toward the wind.
- B) establish a proper heading into the wind by coordinated use of the controls.
- C) hold aileron pressure toward the wind and hold opposite rudder pressure to prevent a turn.

63 . PLT244

If poor aircraft controllability is experienced during an emergency go-around with full flaps, the cause is most probably due to

- A) excessive airspeed with full flaps extended.
- B) the high-power, low-air-speed situation with the airplane trimmed for a full-flap configuration.
- C) a reduction in the angle of attack with full flaps to the point where the aircraft control is greatly impaired.

64 . PLT373

What should a pilot do if a small hole is seen in the fabric of a balloon during inflation?

- A) Continue the inflation and make a mental note of the location of the hole for later repair.
- B) Instruct a ground crew member to inspect the hole and, if under 5 inches in length, continue the inflation.
- C) Consult the flight manual to determine if the hole is within acceptable damage limits established for the balloon being flown.

65 . PLT219

Two distinct flight situations should be covered when teaching slow flight. These are the establishment and maintenance of

- A) airspeeds appropriate for landing approaches, and flight at reduced airspeeds.
- B) an airspeed which gives a stall warning indication, and an airspeed at which complete recovery can be made from stalls.
- C) an airspeed at which the airplane is operating on the back side of the power curve, and an airspeed at which the elevator control can be held full-back with no further loss of control.

66 . PLT486

When explaining the techniques used for making short- and soft-field takeoffs, it would be correct to state that

- A) during soft-field takeoffs, lift-off should be made as soon as possible.
- B) during soft-field takeoffs, lift-off should be made only when best angle-of-climb speed is attained.
- C) during short-field takeoffs, lift-off should be attempted only after best rate-of-climb speed is attained.

67 . PLT119

Pilots are encouraged to turn on their landing lights when operating below 10,000 feet, day or night, and when operating within

- A) Class B airspace.
- B) 10 miles of any airport.
- C) 5 miles of a controlled airport.

68 . PLT170

What normally results from excessive airspeed on final approach?

- A) Bouncing.
- B) Floating.
- C) Ballooning.

69 . PLT170

A go-around from a poor landing approach should

- A) not be attempted unless circumstances make it absolutely necessary.
- B) generally be preferable to last minute attempts to prevent a bad landing.
- C) not be attempted after the landing flare has been initiated regardless of airspeed.

70 . PLT104

Human behavior

- A) rarely results in accidents unless deliberate actions are performed.
- B) causes three out of four accidents.
- C) is well understood, so behavioral induced accidents are exceedingly rare occurrences.

71 . PLT194

Which technique should a student be taught to scan for traffic to the right and left during straight-and-level flight?

- A) Continuous sweeping of the windshield from right to left.
- B) Concentrate on relative movement detected in the peripheral vision area.
- C) Systematically focus on different segments of the sky for short intervals.

72 . PLT333

One aid in increasing night vision effectiveness would be to

- A) look directly at objects.
- B) force the eyes to view off center.
- C) increase intensity of interior lighting.

73 . PLT096

What physical change would most likely occur to occupants of an unpressurized aircraft flying above 15,000 feet without supplemental oxygen?

- A) Gases trapped in the body contract and prevent nitrogen from escaping the bloodstream.
- B) The pressure in the middle ear becomes less than the atmospheric pressure in the cabin.
- C) A blue coloration of the lips and fingernails develop along with tunnel vision.

74 . PLT022

Risk management, as part of the aeronautical decision making (ADM) process, relies on which features to reduce the risks associated with each flight?

- A) Application of stress management and risk element procedures.
- B) Situational awareness, problem recognition, and good judgment.
- C) The mental process of analyzing all information in a particular situation and making a timely decision on what action to take.

75 . PLT022

In the aeronautical decision making (ADM) process, what is the first step in neutralizing a hazardous attitude?

- A) Making a rational judgment.
- B) Recognizing hazardous thoughts.
- C) Recognizing the invulnerability of the situation.

76 . PLT104

The lighter workloads associated with glass (digital) flight instrumentation

- A) are instrumental in decreasing flightcrew fatigue.
- B) have proven to increase safety in operations.
- C) may lead to complacency by the flightcrew.

77 . PLT166

What is the primary pitch instrument when establishing a constant altitude standard-rate turn?

- A) Altimeter.
- B) VSI.
- C) Airspeed indicator.

78 . PLT012

How far will an aircraft travel in 3-1/2 minutes if its groundspeed is 65 knots?

- A) 3.3 NM.
- B) 3.8 NM.
- C) 2.2 NM.

79 . PLT202

Which DME indication should you receive when you are directly over a VORTAC site at approximately 6,000 feet AGL?

- A) 0.
- B) 1.
- C) 1.3.

80 . PLT015

If fuel consumption is 15.3 gallons per hour and groundspeed is 167 knots, how much fuel is required for an aircraft to travel 620 NM?

- A) 63 gallons.
- B) 60 gallons.
- C) 57 gallons.

81 . PLT012

If a true heading of 135° results in a ground track of 130° and a true airspeed of 135 knots results in a groundspeed of 140 knots, the wind would be from

- A) 019° and 12 knots.
- B) 200° and 13 knots.
- C) 246° and 13 knots.

82 . PLT012

On a cross-country flight, point X is crossed at 1015 local. What is your expected arrival time at point Y? Use the following information to determine your ETA.

Distance between X and Y = 32 NM

Forecast wind = 240° at 25 kts

Pressure altitude = 5,500 ft

Ambient temperature = +05 °C

True course = 100°

The indicated airspeed is 110 knots.

- A) 1033 local.
- B) 1031 local.
- C) 1029 local.

83 . PLT064

(Refer to FAA-CT-8080-5G, Figure 45.) What is the elevation of the Thomas Airport (T69) (area 5)?

- A) 122 feet MSL.
- B) 43 feet MSL.
- C) 48 feet MSL.

84 . PLT132

What is V2 speed?

- A) Takeoff decision speed.
- B) Takeoff safety speed.
- C) Minimum takeoff speed.

85 . PLT457

The minimum age requirement for the applicant who is seeking a Student Pilot Certificate limited to glider operations is

- A) 14 years.
- B) 16 years.
- C) 17 years.

86 . PLT461

Position lights are required to be displayed on all aircraft in flight from

- A) sunset to sunrise.
- B) 1 hour before sunset to 1 hour after sunrise.
- C) 30 minutes before sunrise to 30 minutes after sunset.

87 . PLT451

Your student holds a private pilot certificate with an airplane rating and wishes to obtain a rotorcraft category rating. You inform the student that

- A) none of the training/flight experience obtained toward the airplane rating can be used for the rotorcraft rating.
- B) he/she must complete the rotorcraft practical test in its entirety as per the private pilot rotorcraft practical test standards.
- C) some of the training/flight experience acquired toward the airplane rating can be used to meet the requirements for a rotorcraft category rating.

88 . PLT372

An aircraft's last annual inspection was performed on July 12, this year. The next annual inspection will be due no later than

- A) July 13, next year.
- B) July 31, next year.
- C) 12 calendar months after the date shown on the Airworthiness Certificate.

89 . PLT220

If an aircraft is not equipped for night flight and official sunset is 1730 EST, the latest a pilot may operate that aircraft without violating regulations is

- A) 1629 EST.
- B) 1729 EST.
- C) 1829 EST.

90 . PLT052

What is the correct departure procedure at a noncontrolled airport?

- A) The FAA-approved departure procedure for that airport.
- B) Make all left turns, except a 45° right turn on the first crosswind leg.
- C) Departure in any direction consistent with safety, after crossing the airport boundary.

91 . PLT463

Under what condition, if any, may a pilot allow a person who is obviously under the influence of intoxicating liquors or drugs to be carried aboard an aircraft?

- A) Under no condition.
- B) Only if a second pilot is aboard.
- C) Only if the person is a medical patient under proper care or in an emergency.

92 . PLT451

As pilot, what is the minimum flight time in an aircraft an applicant must have for a Commercial Pilot Certificate with an airplane rating?

- A) 250 hours.
- B) 200 hours.
- C) 150 hours.

93 . PLT404

How often are emergency locator transmitters required to be inspected?

- A) Every 12 months.
- B) Every 24 months.
- C) After every 100 hours of flight time.

94 . PLT448

What is the minimum age required to be eligible for a Commercial Pilot Certificate?

- A) 17.
- B) 18.
- C) 21.

95 . PLT288

When the visibility is greater than 6 SM on a TAF it is expressed as

- A) 6PSM.
- B) P6SM.
- C) 6SMP.

96 . PLT512

An increase in temperature with an altitude increase

- A) is indication of an inversion.
- B) denotes the beginning of the stratosphere.
- C) means a cold front passage.

97 . PLT051

Regarding Convective Outlook Charts, when well-organized severe thunderstorms are expected, but in small numbers and/or low coverage, the risk is referred to as

- A) SLGT.
- B) POSSIBLE.
- C) MDT.

98 . PLT328

With respect to using the weight information given in a typical aircraft owner's manual for computing gross weight, it is important to know that if items have been installed in the aircraft in addition to the original

- A) allowable useful load is decreased.
- B) allowable useful load remains unchanged.
- C) maximum allowable gross weight is increased.

99 . PLT121

What constitutes the payload of a balloon?

- A) Total gross weight.
- B) Total weight of passengers, cargo, and baggage.
- C) Weight of the aircraft and equipment.

100 . PLT021

What is the maximum weight that could be added at Station 150.0 without exceeding the aft CG limit?

Aircraft weight = 5,000 lbs

CG location = Station 80.0

Aft CG limit = Station 80.5

- A) 70.0 pounds.
- B) 69.5 pounds.
- C) 35.9 pounds.